

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Reclamation District No. 0501 Ryer Island**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway				Bank	Unit Miles
Unit No. 01 Steamboat Slough				Right	6.76
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	04/09/2013 - 04/09/2013				
DWR Inspector	Herman Phillips				
Accompanied By	Mike Magilton RD 501				

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Steamboat Slough						Right	6.76	04/09/2013 04/09/2013	Herman Phillips	
LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1				Operations & Maintenance Manuals	LS	M Ma		° °	° °	57
DWR ID: DWR_RD0501_01_s_2012_57										
2				Emergency Supplies & Equipment	LS	A Ma		° °	° °	58
DWR ID: DWR_RD0501_01_s_2012_58										
3				Flood Preparedness & Training	LS	A Ma		° °	° °	59
DWR ID: DWR_RD0501_01_s_2012_59										
4	0.01	0.01		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.254186 ° -121.601566 °	38.254186 ° -121.601566 °	35
DWR ID: DWR_RD0501_01_s_2012_35										
5	0.03	0.03		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.254075 ° -121.601838 °	38.254025 ° -121.601928 °	2
DWR ID: DWR_RD0501_01_s_2012_2										
6	0.04	0.07		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.230288 ° 38.253518 °	-121.603781 ° -121.602252 °	4
DWR ID: DWR_RD0501_01_s_2012_4										
7	0.04	0.27		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.253853 ° -121.601921 °	38.250719 ° -121.603080 °	1
DWR ID: DWR_RD0501_01_s_2012_1										
8	0.13	0.24		Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: The District trimmed the fig trees less than 2-inches instead of removing them completely from the levee. If the tree is less than 2-inches it can be removed from the levee. The fig trees should not be on the levee anyway.	38.252764 ° -121.602715 °	38.251251 ° -121.603084 °	3 Y
DWR ID: DWR_RD0501_01_s_2012_3										
9	0.13	0.37		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.252658 ° -121.602835 °	38.249205 ° -121.603128 °	67
DWR ID: DWR_RD0501_01_s_2012_67										
10	0.26	0.28		Trim / Thin Trees	LS	U Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: There is a thick growth of fig trees that should be removed from levee section that blocks the view of the levee slope.	38.250927 ° -121.603107 °	38.250610 ° -121.603111 °	5 Y
DWR ID: DWR_RD0501_01_s_2012_5										
11	0.30	0.35		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.250261 ° -121.603126 °	38.249562 ° -121.603105 °	6
DWR ID: DWR_RD0501_01_s_2012_6										
12	0.51	0.51		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.247310 ° 121.602876 °	38.247310 ° -121.602876 °	963
DWR ID: DWR_RD0501_01_s_2012_963										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

# Reclamation District No. 0501 Ryer Island

MWR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
13	0.55	0.55		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.246798 ° -121.602872 °	38.246798 ° -121.602872 °	7
								DWR ID: DWR_RD0501_01_s_2012_7		
14	0.66	0.70		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.245010 ° -121.602955 °	38.244523 ° -121.602940 °	18
								DWR ID: DWR_RD0501_01_s_2012_18		
15	0.67	0.67		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.244962 ° -121.602950 °	38.244962 ° -121.602950 °	967
								DWR ID: DWR_RD0501_01_s_2012_967		
16	0.68	0.70		Vegetation	LS	M En	V6 : Landscaping	38.244926 ° -121.602901 °	38.244541 ° -121.602938 °	8
								DWR ID: DWR_RD0501_01_s_2012_8		
17	0.69	1.20		Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.244667 ° -121.602967 °	38.237470 ° -121.604418 °	71
								DWR ID: DWR_RD0501_01_s_2012_71		
18	0.70	0.75		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.244540 ° -121.602937 °	38.243835 ° -121.603057 °	10
								DWR ID: DWR_RD0501_01_s_2012_10		
19	0.75	0.94		Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: There is wild berries growing on levee slope and toe that blocks the view of the levee. The District has purchased a slope mower and they are in the process of mowing the slopes.	38.243835 ° -121.603057 °	38.241204 ° -121.603568 °	9 Y
								DWR ID: DWR_RD0501_01_s_2012_9		
20	1.00	1.17		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.240333 ° -121.603863 °	38.237953 ° -121.604482 °	969
								DWR ID: DWR_RD0501_01_s_2012_969		
21	1.00	2.10		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.240296 ° -121.603884 °	38.224454 ° -121.603683 °	60
								DWR ID: DWR_RD0501_01_f_2012_60		
22	1.22	1.86		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.237268 ° -121.604424 °	38.228141 ° -121.604157 °	12
								DWR ID: DWR_RD0501_01_s_2012_12		
23	1.55	1.74		Vegetation	LS	U Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild growth of berries on slope and toe.	38.232531 ° -121.603485 °	38.229930 ° -121.603892 °	13 Y
								DWR ID: DWR_RD0501_01_s_2012_13		
24	2.04	2.10		Erosion / Bank Caving	WS	M Ma	E1 : Note and monitor erosion site.	38.225500 ° -121.603887 °	38.224738 ° -121.603750 °	26
								DWR ID: DWR_RD0501_01_s_2012_26		
25	2.24	2.29		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.222758 ° -121.603348 °	38.222030 ° -121.603303 °	27
								DWR ID: DWR_RD0501_01_s_2012_27		

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough				Right	6.76	04/09/2013 04/09/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
26	2.34	2.34		Encroachments	LS	M Ma	TR : Tree or limb	38.221257 ° -121.603526 °	38.221257 ° -121.603526 °	62
DWR ID: DWR_RD0501_01_f_2012_62										
27	2.38	3.76		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.220732 ° -121.603734 °	38.202810 ° -121.613523 °	31
DWR ID: DWR_RD0501_01_s_2012_31										
28	2.44	4.14		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.219976 ° -121.604168 °	38.197748 ° -121.616084 °	14
DWR ID: DWR_RD0501_01_s_2012_14										
29	2.55	2.60		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.218470 ° -121.605105 °	38.217875 ° -121.605532 °	32
DWR ID: DWR_RD0501_01_s_2012_32										
30	2.67	2.73		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.217030 ° -121.606303 °	38.216408 ° -121.607057 °	34
DWR ID: DWR_RD0501_01_s_2012_34										
31	2.84	3.31		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.215112 ° -121.608273 °	38.208925 ° -121.611162 °	36
DWR ID: DWR_RD0501_01_s_2012_36										
32	2.85	2.93	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2009 - Rock is starting to unravel, probably from a tree pop-out, hard toe. 2012: No observed change. [2012 Site ID: STM_18-9_R]	38.214838 ° -121.608129 °	38.214075 ° -121.608750 °	40 Y
DWR ID: DWR_RD0501_01_s_2013_40										
33	2.92	2.97		Vegetation	LS	M En	V6 : Landscaping	38.214235 ° -121.608993 °	38.213547 ° -121.609527 °	37
DWR ID: DWR_RD0501_01_s_2012_37										
34	3.02	3.09	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2000 - Slow erosion of lower and mid-slope with rock bench at the low water line. 2012: No observed change. [2012 Site ID: STM_18-8_R]	38.212573 ° -121.609760 °	38.211596 ° -121.609928 °	42 Y
DWR ID: DWR_RD0501_01_s_2013_42										
35	3.20	3.24		Vegetation	LS	M En	V6 : Landscaping	38.210429 ° -121.610503 °	38.209974 ° -121.610703 °	15
DWR ID: DWR_RD0501_01_s_2012_15										
36	3.25	3.26		Encroachments	LS	U En	MA : Material Inspector Comments: There is stock pile of equipment and materials on the levee section that needs to be removed off the levee.	38.209811 ° -121.610813 °	38.209713 ° -121.610882 °	63 Y
DWR ID: DWR_RD0501_01_f_2012_63										
37	3.27	3.33		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.209548 ° -121.610882 °	38.208632 ° -121.611275 °	41
DWR ID: DWR_RD0501_01_s_2012_41										
38	3.34	3.36		Trim / Thin Trees	LS	U Ma	T1 : Trim trees to at least five feet above ground level. Inspector Comments: The District need to do a better job in controlling the wild growth of trees on the levee section.	38.208468 ° -121.611348 °	38.208292 ° -121.611437 °	43 Y
DWR ID: DWR_RD0501_01_s_2012_43										
39	3.60	3.66		Trim / Thin Trees	LS	M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.204983 ° -121.612868 °	38.204227 ° -121.613045 °	47
DWR ID: DWR_RD0501_01_s_2012_47										

**\* Location**

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# Reclamation District No. 0501 Ryer Island

62	6.63	6.67	Trim / Thin Trees	WS M Ma	T1 : Trim trees to at least five feet above ground level.	38.184136 ° -121.655762 °	38.184040 ° -121.656291 °	23
DWR ID: DWR_RD0501_01_s_2012_23								

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	8
Start Levee Mile	0.13
End Levee Mile	0.24
Location	Land Side
Category	
Item	Trim / Thin Trees

Levee mile 0.13: District need to remove the fig trees from levee section on the land side, not trim them up like shown in this photo. All these shown here are less than 2-inches in diameter.

phillips\_s\_20130325\_281.jpg



Levee Mile Report Line	10
Start Levee Mile	0.26
End Levee Mile	0.28
Location	Land Side
Category	
Item	Trim / Thin Trees

Unsatisfactory growth of fig trees that has the slope covered past the landward toe, unable to see the levee section. Photo taken 4-9-2013.

phillips\_s\_20130603\_455.JPG



Levee Mile Report Line	19
Start Levee Mile	0.75
End Levee Mile	0.94
Location	Land Side
Category	
Item	Vegetation

Unsatisfactory growth of wild berries on landward slope and toe. Photo taken 4-9-2013.

phillips\_s\_20130603\_456.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	23
Start Levee Mile	1.55
End Levee Mile	1.74
Location	Land Side
Category	
Item	Vegetation

Looking downstream landward slope and toe over grown with wild growth and berries and horsetail.

phillips\_s\_20130603\_457.JPG



Levee Mile Report Line	32
Start Levee Mile	2.85
End Levee Mile	2.93
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

phillips\_s\_20130325\_292.jpg



Levee Mile Report Line	32
Start Levee Mile	2.85
End Levee Mile	2.93
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

phillips\_s\_20130325\_293.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	32
Start Levee Mile	2.85
End Levee Mile	2.93
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

phillips\_s\_20130325\_294.jpg



Levee Mile Report Line	34
Start Levee Mile	3.02
End Levee Mile	3.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

phillips\_s\_20130325\_295.jpg



Levee Mile Report Line	34
Start Levee Mile	3.02
End Levee Mile	3.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

phillips\_s\_20130325\_296.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	34
Start Levee Mile	3.02
End Levee Mile	3.09
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

phillips\_s\_20130325\_297.jpg



Levee Mile Report Line	36
Start Levee Mile	3.25
End Levee Mile	3.26
Location	Land Side
Category	
Item	Encroachments

RD 501, equipment and materials placed along the toe and slope landward looking back upstream. Photo taken 11-26-2012. No change during my inspection 4-9-2013. No new photo taken.

phillips\_s\_20130325\_302.jpg



Levee Mile Report Line	38
Start Levee Mile	3.34
End Levee Mile	3.36
Location	Land Side
Category	
Item	Trim / Thin Trees

Unsatisfactory wild growth covering the landside slope, shoulder and slope. Photo taken 4-9-2013.

phillips\_s\_20130603\_458.JPG



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	45
Start Levee Mile	3.79
End Levee Mile	3.94
Location	Water Side
Category	
Item	Vegetation

RD 501, unsatisfactory wooded growth on landward slope and toe of levee section. Photo taken 11-26-2012.

phillips\_s\_20130325\_291.jpg



Levee Mile Report Line	46
Start Levee Mile	3.80
End Levee Mile	4.14
Location	Land Side
Category	
Item	Vegetation

Wild growth of trees blocking view of shoulder, slope and toe landward looking downstream. Photo taken 4-9-2013.

phillips\_s\_20130603\_459.JPG



Levee Mile Report Line	57
Start Levee Mile	5.75
End Levee Mile	5.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

phillips\_s\_20130325\_299.jpg



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Unit No. 01 Steamboat Slough	Right	6.76	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	57
Start Levee Mile	5.75
End Levee Mile	5.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

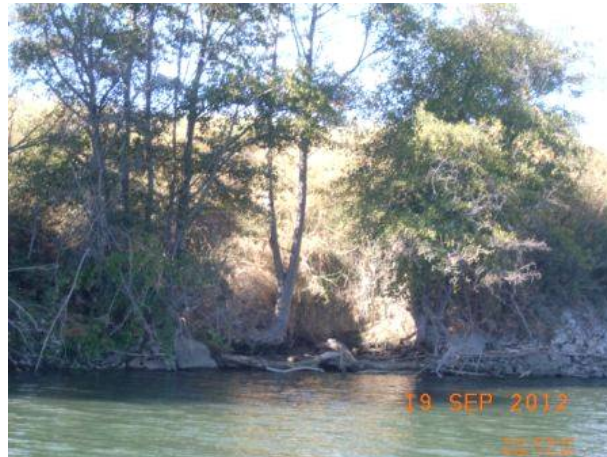
phillips\_s\_20130325\_300.jpg



Levee Mile Report Line	57
Start Levee Mile	5.75
End Levee Mile	5.82
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #3

phillips\_s\_20130325\_301.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway			Bank	Unit Miles
Unit No. 02 Cache Slough			Left	3.57
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Herman Phillips			
Accompanied By	Mike Magilton RD 501			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/09/2013 04/09/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1				Emergency Supplies & Equipment	WS A Ma		°	°	13
DWR ID: DWR_RD0501_02_s_2013_13									
2				Flood Preparedness & Training	WS A Ma		°	°	14
DWR ID: DWR_RD0501_02_s_2013_14									
3				Operations & Maintenance Manuals	WS M Ma		°	°	15
DWR ID: DWR_RD0501_02_s_2013_15									
4	0.00	0.00		Vegetation	LS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements. Inspector Comments: The grasses on landward do not block the landward view of levee.	38.184162 ° -121.657734 °	38.184162 ° -121.657734 °	7 Y
DWR ID: DWR_RD0501_02_f_2012_7									
5	0.00	0.08		Encroachments	WS M En	FE : Fence	38.184050 ° -121.657713 °	38.185178 ° -121.658515 °	2
DWR ID: DWR_RD0501_02_s_2012_2									
6	0.29	0.67		Vegetation	LS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.187858 ° -121.658225 °	38.192933 ° -121.655390 °	17
DWR ID: DWR_RD0501_02_s_2013_17									
7	0.32	3.57		Vegetation	WS M Ma	V1 : Control annual grass and weeds on the levee slopes and easements.	38.188321 ° -121.658003 °	38.227385 ° -121.673091 °	19
DWR ID: DWR_RD0501_02_s_2013_19									
8	0.49	3.50		Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.190509 ° -121.656805 °	38.227237 ° -121.673078 °	9
DWR ID: DWR_RD0501_02_s_2012_9									
9	0.53	0.53		Trim / Thin Trees	WS M Ma	T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.	38.191117 ° -121.656468 °	38.191170 ° -121.656437 °	11
DWR ID: DWR_RD0501_02_s_2012_11									
10	1.03	1.03		Erosion / Bank Caving	WS M Ma	E1 : Note and monitor erosion site. Inspector Comments: This erosion has not been repaired prior to the fall inspection.	38.198153 ° -121.655614 °	38.198153 ° -121.655614 °	10
DWR ID: DWR_RD0501_02_s_2012_10									
11	1.07	1.11		Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.198602 ° -121.655605 °	38.199148 ° -121.655490 °	8
DWR ID: DWR_RD0501_02_s_2012_8									

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable  
N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/09/2013 04/09/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
12	1.12	1.13	Supplemental	USACE Erosion Survey	WS	M Ma	Inspector Comments: 2005 - Large vertical sections due to wave wash. New stone dumped on the bank with exposed geotextile. Cohesive toe has thin weak stratigraphic unit that is washing out. 2006 - Partially repaired, but 100 ft in the middle of the reach has exposed filter fabric and stone riprap is gone. 2010 - Site extended downstream to include new erosion pocket. 2012: No observed change, channel marker 42. [2012 Site ID: CHS_15-9_L]	38.200146 ° -121.655638 °	38.199128 ° -121.655881 °	6 Y
DWR ID: DWR_RD0501_02_s_2013_6										
13	1.51	2.69		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.204957 ° -121.655087 °	38.216130 ° -121.667686 °	1
DWR ID: DWR_RD0501_02_f_2012_1										
14	1.76	2.94		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.208159 ° -121.655803 °	38.219153 ° -121.670192 °	20
DWR ID: DWR_RD0501_02_s_2013_20										
15	1.98	3.02		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.226175 ° -121.604013 °	38.212626 ° -121.609959 °	3
DWR ID: DWR_RD0501_02_s_2012_3										
16	1.98	3.02		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.207621 ° -121.656219 °	38.220184 ° -121.670834 °	5
DWR ID: DWR_RD0501_02_s_2012_5										
17	2.92	2.93		Animal Control	LS	M Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.218890 ° -121.669934 °	38.218997 ° -121.669988 °	4
DWR ID: DWR_RD0501_02_s_2012_4										
18	3.43	3.43		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.225823 ° -121.672837 °	38.225823 ° -121.672837 °	16
DWR ID: DWR_RD0501_02_s_2012_16										
19	3.44	3.44		Trim / Thin Trees	LS	M Ma	T1 : Trim trees to at least five feet above ground level.	38.225987 ° -121.672870 °	38.225987 ° -121.672870 °	18
DWR ID: DWR_RD0501_02_s_2012_18										

<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Cache Slough	Left	3.57	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation

Looking downstream from levee mile 0.00 Unit 2 RD 501. Photo taken 4-29-13.

phillips\_s\_20130604\_460.JPG



Levee Mile Report Line	12
Start Levee Mile	1.12
End Levee Mile	1.13
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #1

phillips\_s\_20130228\_137.jpg



Levee Mile Report Line	12
Start Levee Mile	1.12
End Levee Mile	1.13
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2012 Photo #2

phillips\_s\_20130228\_138.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway			Bank	Unit Miles
Unit No. 03 Miner Slough			Left	7.82
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Herman Phillips			
Accompanied By	Mike Magilton RD 501			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Miner Slough				Left	7.82	04/09/2013 04/09/2013	Herman Phillips	

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End					Start	End	
1	0.00	0.00		Vegetation	LS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.227815 ° -121.673129 °	38.227815 ° -121.673129 °	1 Y
DWR ID: DWR_RD0501_03_s_2012_1									
2	0.01	0.64		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.227992 ° -121.673061 °	38.234754 ° -121.665461 °	10
DWR ID: DWR_RD0501_03_s_2012_10									
3	0.10	0.64		Vegetation	LS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.229065 ° -121.672201 °	38.229063 ° -121.672203 °	11
DWR ID: DWR_RD0501_03_s_2012_11									
4	0.77	2.60		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.236416 ° -121.665200 °	38.257445 ° -121.651440 °	8
DWR ID: DWR_RD0501_03_f_2012_8									
5	0.99	0.99		Vegetation	LS Ma	M V1 : Control annual grass and weeds on the levee slopes and easements.	38.239652 ° -121.664827 °	38.239652 ° -121.664827 °	12
DWR ID: DWR_RD0501_03_s_2013_12									
6	1.57	1.57		Vegetation	LS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.246660 ° -121.688600 °	38.666000 ° -121.690000 °	43
DWR ID: DWR_RD0501_03_s_2012_43									
7	1.65	1.73		Vegetation	LS Ma	C V2 : Remove the wild growth other than native grasses from the levee slopes.	38.206996 ° -121.655952 °	38.208065 ° -121.655999 °	7
DWR ID: DWR_RD0501_03_s_2012_7									
8	1.69	7.81		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.246667 ° -121.658611 °	38.285653 ° -121.606479 °	13
DWR ID: DWR_RD0501_03_s_2013_13									
9	1.87	2.03		Vegetation	LS Ma	C V2 : Remove the wild growth other than native grasses from the levee slopes.	38.209280 ° -121.656263 °	38.209890 ° -121.659350 °	5
DWR ID: DWR_RD0501_03_s_2012_5									
10	2.60	2.75		Trim / Thin Trees	WS Ma	M T1 : Trim trees to at least five feet above ground level.	38.257445 ° -121.651437 °	38.258759 ° -121.651449 °	3
DWR ID: DWR_RD0501_03_s_2012_3									
11	2.61	2.66		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.256764 ° -121.651516 °	38.257435 ° -121.651498 °	9
DWR ID: DWR_RD0501_03_f_2012_9									
12	2.66	2.78		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Unsatisfactory wild growth on waterside shoulder and slope.	38.258066 ° -121.651476 °	38.259805 ° -121.651380 °	4
DWR ID: DWR_RD0501_03_s_2012_4									
13	3.62	3.90		Vegetation	WS Ma	M V2 : Remove the wild growth other than native grasses from the levee slopes.	38.266655 ° -121.641495 °	38.270148 ° -121.641530 °	46
DWR ID: DWR_RD0501_03_s_2012_46									
14	3.62	3.64		Trim / Thin Trees	LS Ma	M T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.266666 ° -121.641475 °	38.266857 ° -121.641280 °	15
DWR ID: DWR_RD0501_03_s_2012_15									

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A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

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Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 03 Miner Slough				Left	7.82	04/09/2013 04/09/2013	Herman Phillips	

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
15	3.69	3.70		Trim / Thin Trees	LS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Wild growth has completely covered the slope on landside. The District has started removing some of this brush, more needs to be removed.	38.267485 ° -121.640667 °	38.267578 ° -121.640507 °	22 Y
DWR ID: DWR_RD0501_03_s_2012_22										
16	3.71	3.73		Encroachments	LS	M En	BU : Building	38.267642 ° -121.640452 °	38.267907 ° -121.640327 °	23 Y
DWR ID: DWR_RD0501_03_s_2012_23										
17	3.79	4.82		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: The top section has been mowed. The district said they will come back and do the bottom.	38.268859 ° -121.640524 °	38.280924 ° -121.640725 °	17 Y
DWR ID: DWR_RD0501_03_s_2012_17										
18	4.06	4.16		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.272307 ° -121.641668 °	38.273723 ° -121.641085 °	47 Y
DWR ID: DWR_RD0501_03_s_2012_47										
19	4.22	4.30		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.274602 ° -121.640972 °	38.275275 ° -121.639817 °	25 Y
DWR ID: DWR_RD0501_03_f_2012_25										
20	4.75	4.82		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.279889 ° -121.640228 °	38.280865 ° -121.640726 °	26 Y
DWR ID: DWR_RD0501_03_f_2012_26										
21	4.87	4.92		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.281437 ° -121.641331 °	38.281656 ° -121.642234 °	18 Y
DWR ID: DWR_RD0501_03_s_2012_18										
22	5.20	6.52		Vegetation	LS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	38.286315 ° -121.643147 °	38.290268 ° -121.627290 °	19 Y
DWR ID: DWR_RD0501_03_s_2012_19										
23	5.57	5.75		Vegetation	WS	M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: District is in the process of burning both waterside and landside of the remainder of this unit working their way to unit 4.	38.289092 ° -121.643378 °	38.289662 ° -121.640412 °	27 Y
DWR ID: DWR_RD0501_03_s_2012_27										
24	6.43	6.52		Trim / Thin Trees	WS	M Ma	T2 : Thin trees to allow visibility of the ground and room to flood fight.	38.290750 ° -121.628772 °	38.290268 ° -121.627285 °	6 Y
DWR ID: DWR_RD0501_03_s_2012_6										
25	7.35	7.35		Encroachments	LS	U En	PI : Pipe Inspector Comments: There is a pumping station, new pipe, sand filter, concrete pad, and fence within 10-easement landside. Waterside new pipe pump and fence on water ward toe of levee. At this site there is an open trench on landward slope. Discovered 11-26-2012.	38.287750 ° -121.613335 °	38.287750 ° -121.613335 °	28 Y
DWR ID: DWR_RD0501_03_f_2012_28										
26	7.65	7.65		Vegetation	LS	M En	V6 : Landscaping	38.286785 ° -121.608583 °	38.286785 ° -121.608583 °	40 Y
DWR ID: DWR_RD0501_03_s_2012_40										

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/09/2013 04/09/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
27	7.67	7.69		Vegetation	LS	M	V6 : Landscaping	38.286653 ° -121.608398 °	38.286342 ° -121.608183 °	33
						En				

DWR ID: DWR\_RD0501\_03\_s\_2012\_33

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation

Looking downstream from land side levee minle 0.00 Unit 3. Photo taken 4-9-2013.

phillips\_s\_20130604\_462.JPG



Levee Mile Report Line	15
Start Levee Mile	3.69
End Levee Mile	3.70
Location	Land Side
Category	
Item	Trim / Thin Trees

Levee mile 3.69 to 3.70, new photo of the unsatisfactory growth on the landside levee slope. Photo taken 4-19-11.

phillips\_s\_20130228\_144.jpg



Levee Mile Report Line	17
Start Levee Mile	3.79
End Levee Mile	4.82
Location	Land Side
Category	
Item	Vegetation

Looking downstream from landside unsatisfactory growth of wild berries on slope and toe. Photo taken 4-25-2012.

phillips\_s\_20130228\_143.jpg



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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Miner Slough	Left	7.82	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	25
Start Levee Mile	7.35
End Levee Mile	7.35
Location	Land Side
Category	
Item	Encroachments
RD 501 Unit 3 levee mile 7.34 unauthorized pipe, open trench on water side levee toe. Photo taken 11-26-2012. There is no change at this site 4-9-2013.	
phillips_s_20130228_145.jpg	



Levee Mile Report Line	25
Start Levee Mile	7.35
End Levee Mile	7.35
Location	Land Side
Category	
Item	Encroachments
Unauthorized pipe, 11-26-2012.	
phillips_s_20130228_146.jpg	



Levee Mile Report Line	25
Start Levee Mile	7.35
End Levee Mile	7.35
Location	Land Side
Category	
Item	Encroachments
This encroachment still remains unresolved, no permit for this structure. Photo taken 4-9-2013.	
phillips_s_20130604_461.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2013 Levee Inspection Results**

**Reclamation District No. 0501 Ryer Island**

Waterway			Bank	Unit Miles
Unit No. 04 Sutter Slough			Right	2.33
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/09/2013 - 04/09/2013			
DWR Inspector	Herman Phillips			
Accompanied By	Mike Magilton RD 501			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

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- a) completion of the inspection
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# Reclamation District No. 0501 Ryer Island

* Location	** Rating	+ Issue Type
LS : Land Side	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	N : Not Inspected/Rated	Ob : Design & System Obsolescence
CR : Crown	M : Minimally Acceptable	En : Enforcement
	C : Corrected	
	U : Unacceptable	
	A/W : Acceptable but Monitor & Maintain	



**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/09/2013 04/09/2013	Herman Phillips

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	2.07	2.07		Animal Control	LS	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	38.257982 ° -121.600806 °	38.257982 ° -121.600806 °	19
								DWR ID: DWR_RD0501_04_f_2012_19		
15	2.18	2.20		Trim / Thin Trees	LS	M	T1 : Trim trees to at least five feet above ground level.	38.256275 ° -121.600933 °	38.255990 ° -121.601015 °	13
								DWR ID: DWR_RD0501_04_s_2012_13		

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

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**+ Issue Type**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2013**

**Reclamation District No. 0501 Ryer Island**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sutter Slough	Right	2.33	04/09/2013 04/09/2013	Herman Phillips

Levee Mile Report Line	1
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	
Item	Vegetation
Unit 4 RD 501 Levee mile 0.00 looking downstream from landside shoulder. Photo taken 4-9-2013.	
phillips_s_20130604_463.JPG	



Levee Mile Report Line	10
Start Levee Mile	1.84
End Levee Mile	1.87
Location	Land Side
Category	
Item	Trim / Thin Trees
There has been some tree cutting at this location growth continues to block view of levee section. Photo taken 4-9-2013.	
phillips_s_20130604_464.JPG	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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